

Title (en)  
SYSTEM FOR AND METHOD OF DETERMINING THE LOCATION OF AN OBJECT IN A MEDIUM

Title (de)  
SYSTEM UND VERFAHREN ZUR POSITIONSBESTIMMUNG EINES OBJEKTES IN EINEM MEDIUM

Title (fr)  
SYSTEME ET PROCEDE POUR DETERMINER L'EMPLACEMENT D'UN OBJET DANS UN MILIEU

Publication  
**EP 0845109 A1 19980603 (EN)**

Application  
**EP 96927812 A 19960816**

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Abstract (en)  
[origin: WO9707416A1] The depth of a metal object (for example) beneath the ground (for example) is measured by measuring propagation times of electromagnetic radiation travelling in two different paths within the ground, each from a transmission location via reflection from the object to a receiver location. There should be either multiple transmitter locations, multiple receiver locations or both and the spacing in the ground plane between the transmitter and receiver locations is known. By mathematically manipulating the propagation times for reflected signals travelling in different paths, dependence on the permittivity of the ground itself can be eliminated from the calculation of depth.

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IPC 8 full level  
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